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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Art Unit:	#3
WOLFF, et al.	)	Examiner:	
Serial No.: 10/092,947	)	Washington, D.C.	
Filed: March 8, 2002	)	September 4, 2002	
For: RECOMBINANT DIMORPHIC	)	Docket No.: WOLFF=3	
FUNGAL CELL	)		



INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner of Patents  
Washington, D.C. 20231

S i r :

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed:

[ ] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application. See 37 CFR 1.97(b).

[X] B. before the mailing date of a first office action on the merits. See 37 CFR 1.97(b).

[ ] C. after (A) and (B) above, but before final rejection or allowance, and Applicants have made the necessary certification (box "i" below) or paid the necessary fee (box "ii" below). See 37 CFR 1.97(c).

[ ] i. Counsel certifies that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS

or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

[ ] ii. A check for the fee set forth in 1.17(p), presently believed to be \$180, is enclosed (check no. \_\_\_\_\_).

[ ] D. after (A), (B) and (C) above, but before payment of the issue fee. Applicant petitions under 37 C.F.R. 1.97(d) for consideration of this IDS. A check for the fee set forth in 1.17(i)(1), presently believed to be \$130 is enclosed (check no. \_\_\_\_\_). Counsel certifies that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

[ ] E. As a submission in accordance with the transitional procedure for limited examination after final rejection pursuant to 37 CFR \$1.129(a). Pursuant to MPEP \$706.07(g), page 700-46, col. 2 (February 2000), this IDS is treated as if filed with a period set forth in 37 CFR \$1.97(b) and considered without the petition and petition fee required by 1.97(d).

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document is attached, except as explained below.

[X] While an IDS filed under \$1.97 must contain a "list of all patents, publications or other information submitted for consideration by the Office", see \$1.98(a) (1), the only requirement for the list is that it provide the information set

forth in §1.98(b). There is no requirement that a form PTO-1449 be used (MPEP §609 merely says that use of this form is "encouraged"). Counsel has used a list provided to him by Applicants, and not transferred the information to a PTO-1449, to avoid the risk of any inadvertent error in transferring the information.

[ ] A. Documents \_\_\_\_\_ are deemed substantially cumulative to documents \_\_\_\_\_, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.

[ ] B. Certain documents were previously cited by or submitted to the Office in the following prior application(s), which are relied upon under 35 U.S.C. 120:

[insert serial number/filing date]

Applicants identify these documents by attaching hereto copies of the form PTO-892s and PTO-1449s from the files of the prior applications or a fresh PTO-1449 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application. If copies of any of these documents cannot be found in the files of the prior applications, the Examiner is requested to so notify counsel before taking action in this case, so replacement copies can be submitted. While an IDS filed under §1.97 must contain a "list of all patents, publications or other information submitted for consideration by the Office", see §1.98(a) (1), the only requirement for the list is that it provide the information set forth in §1.98(b). There is no requirement that a form PTO-1449 be used (MPEP §609 merely says that use of this form is "encouraged") and no prohibition on submitting a copy of a form PTO-1449 or form PTO-892 from a prior case. Indeed, the re-use of such forms is desirable as it avoids error in transferring the information, and evidences that the reference was considered in a prior application. A previously accepted PTO-1449, or an examiner-prepared PTO-892, necessarily complies with §1.98(b).

[ ] 3. Documents \_\_\_\_\_ are not in the English language. In accordance with 1.98(c), Applicants state:

[ ] documents \_\_\_\_\_ already contain an English language abstract, summary or claim set.

[ ] a publicly available abstract is attached to each of documents \_\_\_\_\_, and the source of each abstract is indicated thereon.

[ ] documents \_\_\_\_\_ are patents or published patent applications for which counterpart English language patents or patent applications exist, and are enclosed, as follows:

<u>Foreign Lang. Doc.#</u>	<u>English Lang. Doc.#</u>
[insert]	[insert]

[ ] applicants have prepared an English translation of at least the pertinent portions of documents \_\_\_\_\_, and copies are attached.

[ ] A concise explanation of the relevance of documents \_\_\_\_\_ is found in the attached search report from the \_\_\_\_\_ Patent Office (see reply to Comment 68 in the preamble to the final rules; 1135 OG 13 at 20).

[ ] A concise explanation of the relevance of documents \_\_\_\_\_ is set forth as follows:

[Insert concise explanation of relevance]

4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

5. If the month of publication of a nonpatent reference is not stated, it is because it is not apparent from review of the reference. If requested to do so by the Examiner, Applicants will attempt to locate and write to the publisher.

If the publication date of a cited document is set forth only as a publication year, and that year is prior to the year of filing or, if priority is claimed, year of priority of this application, then the particular month of publication is not in issue. Likewise if that publication year is after the year of

filing of this application, the month of publication is not in issue.

If the date of publication of a nonpatent reference is stated, then, except as explained below, it is the nominal date stated in the reference, or in a larger document (journal or book) from which the reference was extracted. Applicants reserve the right to challenge this date by contacting the publisher to determine the actual shipment date, or by contacting recipients to determine the receipt dates.

6. Other information being provided for the examiner's consideration follows:

[insert other information]

7. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

8. The Commissioner is hereby authorized and requested to charge any additional fees which may be required in connection with this paper or credit any overpayment to Deposit Account No. 02-4035.

Respectfully submitted,

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Patent Application No. 10/092947 in United States  
 "Recombinant dimorphic fungal cell"  
 Atty. Docket.: WOLFF=3

NO.	AUTHOR	TITLE	JOURNAL NAME, VOLUME NUMBER, PAGE NUMBER PUBLICATION DATE
1	Fink et al.	Dimorphism genes in fungi	WO 93/08285; published 29 April 1993
2	Anaya N. and M.I.G. Roncero	Transformation of a methionine auxotrophic mutant of <i>Mucor circinelloides</i> by direct cloning of the corresponding wild type gene.	Mol. Gen. genet. 230: 449-455, 1991
3	Arnau, J., Sørensen, K. I., Appel, K. F., Vogensen, F. K. and Hammer, K.	Analysis of heat shock gene expression in <i>Lactococcus lactis</i> MG1363.	<i>Microbiology</i> 142: 1685-91, July, 1996
4	Arnau, J. and Strøman, P.	Gene replacement and ectopic integration in the zygomycete <i>Mucor circinelloides</i> .	<i>Curr. Genet.</i> 23: 542-6, May-June 1993
5	Ballance, D. J.	Transformation systems for filamentous fungi and an overview of fungal gene structure.	<i>In Molecular Industrial Mycology</i> (S. A. Leong and R. M. Berka, Eds.), pp. 1-29. Marcel Dekker, NY., 1990
6	Bartnicki-Garcia, S. and Nickerson, W. J.	Induction of yeastlike development in <i>Mucor</i> by carbon dioxide.	<i>J. Bacteriol.</i> 84: 829-40, May 1962
7	Bartnicki-Garcia, S.	Control of Dimorphism in <i>Mucor</i> by hexoses: Inhibition of hyphal morphogenesis.	<i>J. Bacteriol.</i> 96: 1586-1594, November 1968
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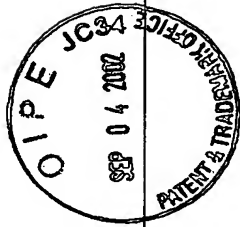
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10	Bocking, S. P., Wiebe, M. G., Robson, G. D., Hansen, K., Christiansen, L. H. and Trinci, A. P.	Effect of branch frequency in <i>Aspergillus oryzae</i> on protein secretion and culture viscosity.	<i>Biotechnol. Bioeng.</i> <b>65</b> : 638-48, December 20, 1999
11	Borges-Walmsley, M. I. and Walmsley, A. R.	cAMP signalling in pathogenic fungi: control of dimorphic switching and pathogenicity	<i>Trends Microbiol.</i> <b>8</b> : 133-41, March 2000.
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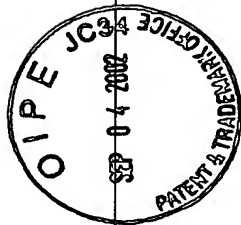
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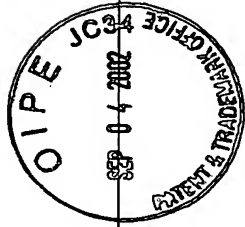




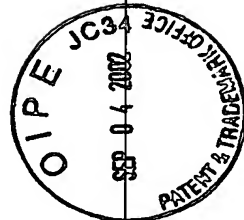
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41	Orlowski and Ross.	Relationship of Internal Cyclic AMP levels, rates of protein synthesis and Mucor dimorphism.	Arch. Microbiol 129:353-356, July 1981.
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49	Roze, L. V., Mahanti, N., Mehig, R., McConnell, D. G., and Linz, J. E	Evidence that MRas1 and MRas3 proteins are associated with distinct cellular functions during growth and morphogenesis in the fungal cell Mucor racemosus.	Fungal. Gen. Biol. 28: 171-89, December 1999.



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